Advancing Regional Sustainability

Maricopa County
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MARICOPA
18 71
ARIZONA
COUNTY

2010-2011

Maricopa County's significant population growth is historic and well-known. After adding approximately one million people in the 1990s, the County will again add another one million people in the first decade of this century. With a current population approaching four million and long-term projections showing the population nearly doubling again in less than 40 years, it is clear that strategies to help maintain a vibrant quality of life will be even more important in the future.

An important part of these strategies will be maintaining a healthy and sustainable environment. Recognizing the relationship between a healthy environment and the County's long-term success, the Maricopa County Board of Supervisors directed County departments to prepare and implement a long-term strategy whereby the County will reduce its carbon footprint, help save money, and enhance the region's environment. Several months of collaboration and coordination between its departments and community stakeholders has resulted in a new and innovative plan known as the Maricopa County Green Government Program.

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2010
Maricopa County
Board of Supervisors

The Board of Supervisors recognizes the impacts that significant growth will continue to have on the region's environment. The Board of Supervisors also recognizes that it can and should be a regional leader in maintaining a healthy and sustainable community.

Leadership is a fundamental part of the Green Government Program because the identified actions will be implemented by County departments to demonstrate that environmental stewardship and cost savings can be achieved. This "Lead by Example" approach directs County departments to implement identified actions to help improve the region's air quality; improve water quality and quantity; increase material reuse and recycling; reduce energy use; make better informed decisions about efficient, economical, and environmentally sensitive land use and development patterns; and build long-lasting partnerships with the broader community.

While sustainability is often a misunderstood cliché, it's most commonly identified when environmental, economic, and social benefits overlap to achieve a positive outcome. Although achieving sustainability is difficult, Maricopa County believes the Green Government Program is an important step in a long-term approach to advance regional sustainability.

Sustainability
Planet
Profit   People
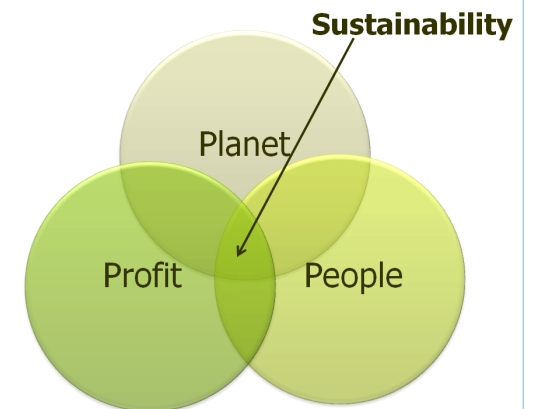
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The Green Government Program was a multi-departmental effort steered by exceptional leadership from the Board of Supervisors and County Manager David Smith.

Maricopa County departments include:
Adult Probation
Air Quality
Animal Care and Control
Environmental Services
Equipment Services
Facilities Management
Flood Control District
Human Resources
Library District
Medical Examiner's Office
Parks and Recreation
Planning and Development
Public Health
Public Works Professional Support Services
Solid Waste
Stadium District
Superior Court
Transportation Department

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Impact-Icons

air

community

energy

land use

reduce, reuse, recycle

transportation

water

The "impact-icons" indicate which tract of sustainability certain measures will improve. Because sustainability is a very expansive issue many measures may blend into more than one impact-icon. This overlap will be indicated in the document by the corresponding impact -icon with the specific measure.

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

-The Brundtland Commission

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Maricopa County employs over 13,000 people who generate a large amount of waste throughout each workday. The environmental mantra of Reduce, Reuse, and Recycle (R3) has been around for decades, and while it is very important to recycle this should be the third option. The most sustainable choice path would be to reduce, then reuse, and then recycle. The Maricopa County Green Government Program has identified specific measurements to improve R3 effectiveness.

Did You Know?

Maricopa County <u>Solid Waste</u> accepts all recyclables at their six locations throughout Maricopa County.

Action Statement

Substantially reduce Maricopa County's waste stream through reduction, reuse, and recycling of all applicable materials.

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
AD3	All	All departments will utilize the BOS adopted Environmentally Preferred Purchasing Policy for all procurement activity.	July 2011	On-Going	♻
AD4	All	All departments will minimize waste at internal events and functions by utilizing utensils and décor that can be re-used, recycled, or composted whenever possible.	July 2011	On-Going	♻ 🤝
AD5	All	All departments will work with their IT department to set all communal printers to default duplex (double-sided) where applicable.	July 2011	On-Going	♻
AP5	Adult Probation	Replace the print version of the "Chronicle" newsletter with a digital format.	July 2010	Accomplished	♻
AP6	Adult Probation	Utilize macros and APD on-line in lieu of many printed forms.	July 2010	Accomplished	♻
AP7	Adult Probation	Initiate a scanning system for the electronic retention of probation files within multiple programs.	July 2011	Launched	♻

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
AP8	Adult Probation	Launch a Community Restitution Program that matches probationers to projects including but not limited to: preparing former dumping areas for re-vegetation, restoring the environmental vitality of facilities by removing accumulated wood and other materials that pose a potential hazard to the property, and helping to manage solid waste at landfills.	July 2010	On-Going	
AQ2	Air Quality Department	Purchase "green" supplies, furniture, equipment and vehicles using the BOS adopted EPP.	July 2010	On-Going	
AQ7	Air Quality Department	Reduce amount of copy paper used by 10% based on FY 2007-2008 base-line.	July 2010	Accomplished	
AQ9	Air Quality Department	Use the Internal Green Exchange/Transfer system to share and re-use various office items with other departments.	July 2011	On-Going	
AQ10	Air Quality Department	Develop in-house comprehensive recycling program in partnership with Solid Waste and Environmental Services.	July 2010	Accomplished	
ACC2	Animal Care and Control	Phase out individual desktop printers and replace with networked printers/copiers.	July 2011	Launched	

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
ACC4	Animal Care and Control	Recycle 100% of all recyclables including but not limited to; cardboard, plastic, aluminum and batteries.	July 2011	Launched	♻
ES1	Environmental Services	Purchase "green" supplies, furniture, equipment and vehicles using the BOS adopted EPP.	July 2010	Accomplished	♻
ES2	Environmental Services	Develop in-house comprehensive recycling program in partnership with Solid Waste and Air Quality Dept.	July 2010	Accomplished	♻ 🤝
ES4	Environmental Services	Achieve a 75% rate for all customer requests to be processed online.	July 2015	Launched	♻ 🤝 🚲
ES5	Environmental Services	Develop an internal educational protocol to promote employee awareness on green issues.	July 2011	Launched	♻ 🤝 🚲
FMD 11	Facilities Management	Work with Materials Management to develop a comprehensive single-stream recycling program for all downtown and Durango campus buildings	July 2011	Launched	♻ 🤝
FMD 12	Facilities Management	Require all contractors and consultants to provide all construction documentation in electronic format.	July 2011	Launched	♻

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
FMD 13	Facilities Management	Convert all new records from paper to electronic format contingent upon consent by the Arizona State Library, Archives and Public Records.	July 2012	Launched	♲
HS2	Human Services	Integrate green building techniques into Community Development construction projects.	July 2012	Launched	♲ 🤝 🔌 🏭
LD5	Library District	Reduce the paper consumption by 10% in all library owned/managed buildings based on baseline to be calculated in 2010.	July 2012	Launched	♲
LD6	Library District	Recycle and/or reuse 100% of all withdrawn/discarded library materials.	July 2012	On-Going	♲
MEO3	Medical Examiner's Office	Reduce paper consumption by 15% from 2008 baseline.	July 2011	Launched	♲
MEO4	Medical Examiner's Office	Recycle 100% of all expired batteries.	July 2011	Launched	♲

"When one tugs at a single thing in nature, he finds it attached to the rest of the world."
-John Muir

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
MEO5	Medical Examiner's Office	Create one innovative concept per year to encourage employee recycling.	July 2010	On-Going	
MEO6	Medical Examiner's Office	Utilize electronic documents instead of hard copies for a minimum of 50% of all remaining procedures that are not currently electronic.	July 2011	Launched	
MEO7	Medical Examiner's Office	Require Investigations to use refillable, reusable water containers filled by 5 gallon containers supplied by the Medical Examiner's Office to replace one time use water bottles.	July 2011	Not Started	
MEO8	Medical Examiner's Office	Supplement/replace single use petroleum based plastic water bottles with plant based compostable water bottles when supplied by Medical Examiner's Office.	July 2011	Not Started	
PR5	Parks and Recreation	Implement a program to recycle scrap metal and other items from all maintenance and construction projects.	July 2011	Not Started	
PR6	Parks and Recreation	Implement a program to recycle glass, plastic, paper, cardboard, and aluminum at all Nature Centers.	July 2011	Launched	

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
PR7	Parks and Recreation	Implement a program to utilize electronic submission for all financial and other reporting requirements, contingent upon consent by the Arizona State Library, Archives and Public Records.	July 2012	Not Started	
PR8	Parks and Recreation	Implement a plan to convert all paper records to electronic format, contingent upon consent by the Arizona State Library, Archives and Public Records.	July 2013	Not Started	
PR9	Parks and Recreation	Implement a program whereby all contractors and consultants will provide all construction project documentation in electronic format.	July 2011	Not Started	
PD12	Planning and Development	Reduce paper consumption by 15% based on FY 2007-2008 baseline use.	July 2011	Launched	
PD14	Planning and Development	Implement a system whereby 85% of all applications for change in entitlement will be submitted electronically.	July 2013	Launched	
PH5	Public Health	Reduce paper consumption by 10% based on FY 2007-2008 baseline use.	July 2012	Launched	

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
PH8	Public Health	Use the Internal Green Exchange/Transfer system to share and re-use various office items with other departments.	July 2011	On-Going	
PH9	Public Health	Develop an internal educational protocol to promote employee awareness on green issues.	July 2011	Launched	
PW1	Public Works Professional Support Services	Reduce paper consumption by 15% based on FY 2007-2008 baseline use.	July 2011	Launched	
SW1	Solid Waste	Develop services and education to residents in order to reduce waste sent to Maricopa County landfills by 50% per year using FY 2007-2008 baseline use.	July 2012	Launched	
SW2	Solid Waste	Complete research on practical usages and potential implementation time frames for Maricopa County's closed landfills.	July 2011	Launched	
SW3	Solid Waste	Implement a comprehensive strategy to help reduce illegal dumping in Maricopa County.	July 2010	On-Going	
SW4	Solid Waste	Offer comprehensive public recycling services at all Maricopa County waste transfer stations.	July 2010	Accomplished	

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REDUCE, REUSE, RECYCLE Measures

Tag	Department	Measure Detail	Due	Status	Impact Icons
SD3	Stadium District	Work in partnership with the Arizona Diamondbacks to implement community awareness programs and campaigns focusing on sustainability, energy conservation, recycling, and other "green" initiatives at Chase Field.	July 2011	Launched	
SD4	Stadium District	Develop partnership with Facility Manager at Chase Field to provide paper, plastic, and aluminum recycling bins to all Stadium District employees and provide daily collection.	July 2011	Launched	
SD5	Stadium District	Adopt the Maricopa County Environmentally Preferred Purchasing Policy (A1514) to use when procuring office supplies, building materials, and construction materials.	July 2011	On-Going	
MDOT 12	Transportation	Continue program that evaluates the need for noise abatement techniques—to include distancing alignments from noise receivers, applying rubberized asphaltic concrete, erecting barriers—in each construction project.	July 2010	On-Going	
MDOT 13	Transportation	Continue to incorporate the use of rubberized asphaltic concrete into 100% of new roadway construction paving projects.	July 2010	On-Going	

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